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CORBIN'S

CONDENSED

INTEREST AND GRAIN

TABLES.

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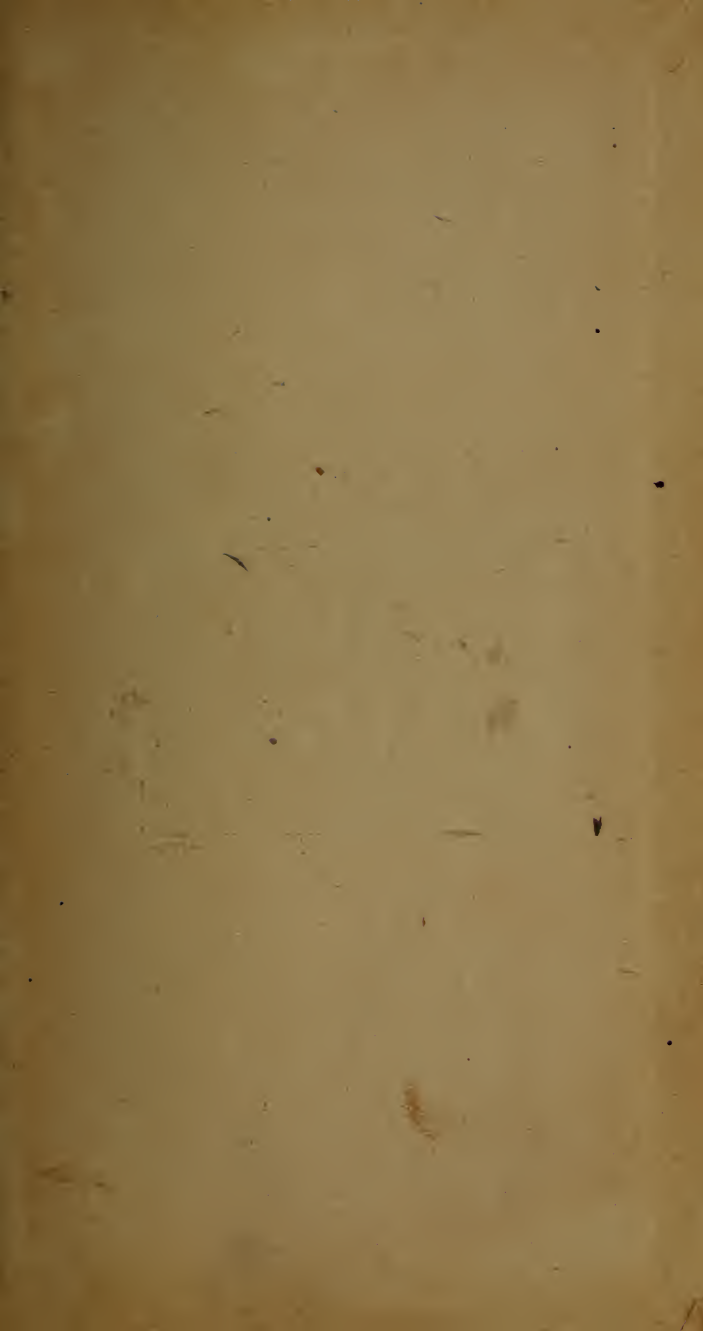
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CORBIN'S

—CONDENSED—

INTEREST

—AND—

GRAIN TABLES,

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1644

—BY—

SEP 18 1892

No 1542621

ISAIAH H. CORBIN,

Member of the Michigan Bar.

Chicago, Ill. 3

1892

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## EXPLANATION OF INTEREST TABLES.

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Tables 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 give the "Principal and Interest combined" on any number of dollars, from \$1 to \$9,999, at 6 per cent per annum, from one day to three years. The several numbers from 1's to 9's as seen at the head of the tables, are to show that those figures are used as so many units, tens, hundreds, and thousands of dollars as Principal upon which Interest is computed. The figures seen in the body of all these tables, at the extreme left of each and every column of figures, invariably represent so many dollars as principal, upon which interest has been computed, and the figures following these seen at the right hand, show the interest thereon for the period of time set down opposite thereto, as seen in all of these tables. Each figure has four distinct values: 1st, as so many ones; 2d, so many tens; 3d, so many hundreds; 4th, so many thousands of dollars, and the figures denoting interest also have four distinct values, according to circumstances. Thus, if you seek to find the interest on \$1 for one month you look to the first column of table I and you see the number 1.005, or 5 mills as the Interest on \$1, for one month at 6 per cent. Again the interest of \$10 is ten times the interest of \$1. Then the 5 in the number 1.005 properly pointed off would be \$10.05, 5 cents being the interest and \$10 the principal. Then let it be required to find the interest on \$100 for 1 month and we have 50 cents, or 5-10 of one dollar, and with principal and interest combined we have \$100.50, and for \$1,000 we have \$5, interest for 1 month expressed with interest and principal combined, \$1,005. And in like manner to, we find the interest of all of the numbers found in these 10 tables referred to, the interest not being blended with the principal, but read in natural order of dollars and cents at the right hand, save only in a few instances, where the interest is computed for more than one year upon the sixes, sevens, eights and nines as seen in the tables. Thus the interest on \$6, for three years at 6 per cent is \$1.08, which added to \$6, the principal, gives \$7.080, as the principal and interest combined, which, when pointed off, reads \$7.080, or \$70.80 as the amount of \$60, or \$708.00 as the amount of \$600, or \$7,080, the amount of \$6,000 for 3 years at 6 per cent per annum.

We commence by computing the interest on a given

principle of the 1's, 2's, 3's, 4's, 5's, 6's, 7's, 8's and 9's for 1 and 2 days, and then for 3, 6, 9, 12, 15, 18, 21, 24 and 27 days; for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 months, and for 1, 2, and 3 years. Three days is 1-10 of one month. Hence, 3, 6, 9, 12, 15, 18, 21, 24 and 27 days are respectively so many tenths of the several months in consecutive order up to and including nine months.

The interest for 28 days on a given principal will be found by adding the interest for 1 day to the interest for 27 days and the interest on a given principal for 29 days will be found by adding the interest for 2 days on the given principal to the interest for 27 days, and so of all other numbers of days not constituting even tenths of a month, the interest for 1 or 2 days must be added to the interest of the number of days next preceding the given number of days and constituting an even number of tenths of a month. Where either the interest or amount of a given principal is required and the principal consists of more than one significant figure as 1,234 dollars, you will find first for \$1,000, second for \$200, third for \$30, and lastly for 4 dollars.

Thus the interest on \$1,000 for 1 year equals \$60.

Interest on \$200 for 1 year equals \$12.

Interest on \$30 for 1 year equals \$1.80.

Interest on \$4 for 1 year equals \$0.24.

Total interest on \$1,234 equals \$74.04.

And in like manner, do we find either the interest or amount of any given principal for a given time throughout the entire tables.

Interest tables 11, 12, 13 and 14, as will be seen, give the interest on any given principal from one dollar to 10,000 dollars for any period of time from 1 day to 5 years at 6 per cent. per annum. The principal is arranged in the central portion of each table, embracing four orders of units. That is to say, units of the 1st order or so many ones; units of the 2d order, or so many tens; units of the 3d order, or so many hundreds; units of the 4th order or so many thousands. We commence by computing the interest for 1 month and follow down through the four orders of units to 10,000 dollars, and extend the computation successively from 1 to 11 months and from 1 to 5 years, including the interest on the several numbers for 1 and 2 days. The interest on numbers intervening those found in the tables is found by adding the numbers given in the table so as to constitute the required number. Thus the interest on a number embracing two orders of units is found by adding the interest of two or more numbers found in the table, the sum of which will constitute the number required. Thus to

find the interest on 11 dollars add the interest of ten and one dollars for the given time; and in like manner do we find the interest on any given number not appearing in the tables. We have before suggested that 3 days is one-tenth of one month: it follows therefore that 3, 6, 9, 12, 15, 18, 21, 24, and 27 days are respectively one-tenth of 1, 2, 3, 4, 5, 6, 7, 8, and 9 months. Hence the interest on any of the last mentioned number of days is readily determined by taking one tenth of the interest of the number of months of which the given number of days is an even tenth of a month, as indicated by the figures at the foot of the columns showing interest from 1 to 9 months. Thus the interest on \$10,000 for nine months is \$450, one tenth of which is \$45, and so of others of like cases. The getting of these teuths is readily accomplished by considering one figure cut off from the right hand of the number, which is equivalent to dividing by ten.

*Having the Interest on a given Principal at 6 per cent., to find interest on the same at other rates per cent.:*

For 7, 8 and 9 per cent add respectively 1-6, 1-3 and 1-2 of the interest at 6 per cent. to itself.

For 5, 4, and 3 per cent. deduct respectively 1-6, 1-3 and 1-2 of the interest at 6 per cent. from itself.

For 10 per cent. annex a cipher to 1-6 of the interest at 6 per cent. Or remove the decimal point one place further to the right.

Or multiply 1-6 of the interest at 6 per cent. by the given rate and the product will be the required interest.

*General Rules for computing Interest for months and days at 6 per cent.:*

Multiply the given principal by the number of months and divide the product by 2, and the quotient will be the required interest in cents, if the principal consists of dollars.

*To find the Interest for any number of days.*

Multiply the given principal by the given number of days and divide the product by 60. If the principal consists of dollars and cents, point off four places at the right hand of the quotient and you will have the required interest in dollars and decimals of a dollar.

THE AUTHOR.

TABLE No. 3.

\$1111      \$2222      \$3333      \$4444      \$5555

PRINCIPAL AND INTEREST COMBINED.

Days.	\$	\$	\$	\$	\$
1	1000167	2000334	30005	4000668	5000835
2	1000334	2000668	30010	4001336	500167
3	10005	20010	30015	40020	50025
6	10010	20020	30030	40040	50050
9	10015	20030	30045	40060	50075
12	10020	20040	30060	40080	50100
15	10025	20050	30075	40100	50125
18	10030	20060	30090	40120	50150
21	10035	20070	30105	40140	50175
24	10040	20080	30120	40160	50200
27	10045	20090	30135	40180	50225
Mos.					
1	1005	2010	3015	4020	5025
2	1010	2020	3030	4040	5050
3	1015	2030	3045	4060	5075
4	1020	2040	3060	4080	5100
5	1025	2050	3075	4100	5125
6	1030	2060	3090	4120	5150
7	1035	2070	3105	4140	5175
8	1040	2080	3120	4160	5200
9	1045	2090	3135	4180	5225
10	1050	2100	3150	4200	5250
11	1055	2110	3165	4220	5275
Yrs.					
1	1060	2120	3180	4240	5300
2	1120	2240	3360	4480	5600
3	1180	2360	3540	4720	5900



TABLE No. 1.

\$6666

\$7777

\$8888

\$9999

PRINCIPAL AND INTEREST COMBINED.

Days.	\$	\$	\$	\$
1	6001	7001169	8001336	90015
2	6002	7002338	8002672	9003
3	60030	70035	80040	90045
6	60060	70070	80080	90090
9	60090	70105	80120	90135
12	60120	70140	80160	90180
15	60150	70175	80200	90225
18	60180	70210	80240	90270
21	60210	70245	80280	90315
24	60240	70280	80320	90360
27	60270	70315	80360	90405
Months.				
1	6030	7035	8040	9045
2	6060	7070	8080	9090
3	6090	7105	8120	9135
4	6120	7140	8160	9180
5	6150	7175	8200	9225
6	6180	7210	8240	9270
7	6210	7245	8280	9315
8	6240	7280	8320	9360
9	6270	7315	8360	9405
10	6300	7350	8400	9450
11	6330	7385	8440	9495
Years.				
1	6360	7420	8480	9540
2	6720	7840	8960	10080
3	7080	8260	9440	10620

TABLE No. 3.

\$1111      \$2222      \$3333      \$4444  
PRINCIPAL AND INTEREST COMBINED.

Years and Mos.		\$	\$	\$	\$
1	1	1065	2130	3195	4260
1	2	1070	2140	3210	4280
1	3	1075	2150	3225	4300
1	4	1080	2160	3240	4320
1	5	1085	2170	3255	4340
1	6	1090	2180	3270	4360
1	7	1095	2190	3285	4380
1	8	1100	2200	3300	4400
1	9	1105	2210	3315	4420
1	10	1110	2220	3330	4440
1	11	1115	2230	3345	4460
2	....	1120	2240	3360	4480
2	1	1125	2250	3375	4500
2	2	1130	2260	3390	4520
2	3	1135	2270	3405	4540
2	4	1140	2280	3420	4560
2	5	1145	2290	3435	4580
2	6	1150	2300	3450	4600
2	7	1155	2310	3465	4620
2	8	1160	2320	3480	4640
2	9	1165	2330	3495	4660
2	10	1170	2340	3510	4680
2	11	1175	2350	3525	4700
3	....	1180	2360	3540	4720



TABLE No. 4.

\$5555   \$6666   \$7777   \$8888   \$9999

PRINCIPAL AND INTEREST COMBINED.

Years and Mos.		\$	\$	\$	\$	\$
1	1	5325	6390	7455	8520	9585
1	2	5350	6420	7490	8560	9630
1	3	5375	6450	7525	8600	9675
1	4	5400	6480	7560	8640	9720
1	5	5425	6510	7595	8680	9765
1	6	5450	6540	7630	8720	9810
1	7	5475	6570	7665	8760	9855
1	8	5500	6600	7700	8800	9900
1	9	5525	6630	7735	8840	9945
1	10	5550	6660	7770	8880	9990
1	11	5575	6690	7805	8920	10035
2	....	5600	6720	7840	8960	10080
2	1	5625	6750	7875	9000	10125
2	2	5650	6780	7910	9040	10170
2	3	5675	6810	7945	9080	10215
2	4	5700	6840	7980	9120	10260
2	5	5725	6870	8015	9160	10305
2	6	5750	6900	8050	9200	10350
2	7	5775	6930	8085	9240	10395
2	8	5800	6960	8120	9280	10440
2	9	5825	6990	8155	9320	10495
2	10	5850	7020	8190	9360	10530
2	11	5875	7050	8225	9400	10575
3	....	5900	7080	8260	9440	10620

TABLE No. 5.

PRINCIPAL IN UNITS, TENS, HUNDREDS, AND THOUSANDS OF DOLLARS.

\$1111

\$2222

\$3333

\$4444

PRINCIPAL AND INTEREST COMBINED.

\$	\$	Mos. & Days.		\$	\$
1000167	2000334	1	3	30005	4000668
1000334	2000668	2	3	3001	4001336
10055	2011	1	3	30165	4022
10105	2021	2	3	30315	4042
10155	2031	3	3	30465	4062
10205	2041	4	3	30615	4082
10255	2051	5	3	30765	4102
10305	2061	6	3	30915	4122
10355	2071	7	3	31065	4142
10405	2081	8	3	31215	4162
10455	2091	9	3	31365	4182
10505	2101	10	3	31515	4202
10555	2111	11	3	31665	4222
10605	2121	12	3	31815	4242
1006	2012	1	6	3018	4024
1011	2022	2	6	3033	4044
1016	2032	3	6	3048	4064
1021	2042	4	6	3063	4084
1026	2052	5	6	3078	4104
1031	2062	6	6	3093	4124
1036	2072	7	6	3108	4144
1041	2082	8	6	3123	4164
1046	2092	9	6	3138	4184
1051	2102	10	6	3153	4204
1056	2112	11	6	3168	4224
1061	2122	12	6	3183	4244
10065	2013	1	9	30195	4026
10115	2023	2	9	30345	4046
10165	2033	3	9	30495	4066
10215	2043	4	9	30645	4086
10265	2053	5	9	30795	4106
10315	2063	6	9	30945	4126
10365	2073	7	9	31095	4146
10415	2083	8	9	31245	4166
10465	2093	9	9	31395	4186
10515	2103	10	9	31545	4206
10565	2113	11	9	31695	4226
10615	2123	12	9	31845	4246

TABLE No. 6.

PRINCIPAL IN UNITS, TENS, HUNDREDS, AND THOUSANDS OF DOLLARS.

\$5555    \$6666                      \$7777    \$8888    \$9999

PRINCIPAL AND INTEREST COMBINED.

\$	\$	Mos. & Days.		\$	\$	\$
5000835	6001		1	7001169	8001336	90015
500167	6002		2	7002338	8002672	9003
50275	6033	1	3	70385	8044	90495
50525	6063	2	3	70735	8084	90945
50775	6093	3	3	71085	8124	91395
51025	6123	4	3	71435	8164	91845
51275	6153	5	3	71785	8204	92295
51525	6183	6	3	72135	8244	92745
51775	6213	7	3	72485	8284	93195
52025	6243	8	3	72835	8324	93645
52275	6273	9	3	73185	8364	94095
52525	6303	10	3	73535	8404	94545
52775	6333	11	3	73885	8444	94995
53025	6363	12	3	74235	8484	95445
5030	6036	1	6	7042	8048	9054
5055	6066	2	6	7077	8088	9099
5080	6096	3	6	7112	8128	9144
5105	6126	4	6	7147	8168	9189
5130	6156	5	6	7182	8208	9234
5155	6186	6	6	7217	8248	9279
5180	6216	7	6	7252	8288	9324
5205	6246	8	6	7287	8328	9369
5230	6276	9	6	7322	8368	9414
5255	6306	10	6	7357	8408	9459
5280	6336	11	6	7392	8448	9504
5305	6366	12	6	7427	8488	9549
50325	6039	1	9	70455	8052	90585
50575	6069	2	9	70805	8092	91035
50825	6099	3	9	71155	8132	91485
51075	6129	4	9	71505	8172	91935
51325	6159	5	9	71855	8212	92385
51575	6189	6	9	72205	8252	92835
51825	6219	7	9	72555	8292	93285
52075	6249	8	9	72905	8332	93735
52325	6279	9	9	73255	8372	94185
52575	6309	10	9	73605	8412	94635
52825	6339	11	9	73955	8452	95085
53075	6369	12	9	74305	8492	95535

TABLE No. 7.

PRINCIPAL IN UNITS, TENS, HUNDREDS, AND THOUSANDS OF DOLLARS.

\$1111

\$2222

\$3333

\$4444

PRINCIPAL AND INTEREST COMBINED.

\$	\$	Mos. & Days.		\$	\$
1000167	2000334		1	30005	4000668
1000334	2000668		2	3001	4001336
1007	2014	1	12	3021	4028
1012	2024	2	12	3036	4048
1017	2034	3	12	3051	4068
1022	2044	4	12	3066	4088
1027	2054	5	12	3081	4108
1032	2064	6	12	3096	4128
1037	2074	7	12	3111	4148
1042	2084	8	12	3126	4168
1047	2094	9	12	3141	4188
1052	2104	10	12	3156	4208
1057	2114	11	12	3171	4228
1062	2124	12	12	3186	4248
10075	2015	1	15	30225	4030
10125	2025	2	15	30375	4050
10175	2035	3	15	30525	4070
10225	2045	4	15	30675	4090
10275	2055	5	15	30825	4110
10325	2065	6	15	30975	4130
10375	2075	7	15	31125	4150
10425	2085	8	15	31275	4170
10475	2095	9	15	31425	4190
10525	2105	10	15	31575	4210
10575	2115	11	15	31725	4230
10625	2125	12	15	31875	4250
1008	2016	1	18	3024	4032
1013	2026	2	18	3039	4052
1018	2036	3	18	3054	4072
1023	2046	4	18	3069	4092
1028	2056	5	18	3084	4112
1033	2066	6	18	3099	4132
1038	2076	7	18	3114	4152
1043	2086	8	18	3129	4172
1048	2096	9	18	3144	4192
1053	2106	10	18	3159	4212
1058	2116	11	18	3174	4232
1063	2126	12	18	3189	4252

TABLE No. 8.

PRINCIPAL IN UNITS, TENS, HUNDREDS, AND THOUSANDS OF DOLLARS.

\$5555    \$6666                    \$7777    \$8888    \$9999

PRINCIPAL AND INTEREST COMBINED.

\$	\$	Mos. & Days.		\$	\$	\$
5000835	6001	1	12	7001169	8001333	90015
500167	6002	2	12	7002333	8002672	9003
5035	6042	1	12	7049	8056	9063
5060	6072	2	12	7084	8096	9108
5085	6102	3	12	7119	8136	9153
5110	6132	4	12	7154	8176	9198
5135	6162	5	12	7189	8216	9243
5160	6192	6	12	7224	8256	9288
5185	6222	7	12	7259	8296	9333
5210	6252	8	12	7294	8336	9378
5235	6282	9	12	7329	8376	9423
5260	6312	10	12	7364	8416	9468
5285	6342	11	12	7399	8456	9513
5310	6372	12	12	7434	8496	9558
50375	6045	1	15	70525	8060	90375
50625	6075	2	15	70875	8100	91125
50875	6105	3	15	71225	8140	91575
51125	6135	4	15	71575	8180	92025
51375	6165	5	15	71925	8220	92475
51625	6195	6	15	72275	8260	92925
51875	6225	7	15	72625	8300	93375
52125	6255	8	15	72975	8340	93825
52375	6285	9	15	73325	8380	94275
52625	6315	10	15	73675	8420	94725
52875	6345	11	15	74025	8460	95175
53125	6375	12	15	74375	8500	95625
5040	6048	1	18	7056	8064	9072
5065	6078	2	18	7091	8104	9117
5090	6108	3	18	7126	8144	9162
5115	6138	4	18	7161	8184	9207
5140	6168	5	18	7196	8224	9252
5165	6198	6	18	7231	8264	9297
5190	6228	7	18	7266	8304	9342
5215	6258	8	18	7301	8344	9387
5240	6288	9	18	7336	8384	9432
5265	6318	10	18	7371	8424	9477
5290	6348	11	18	7406	8464	9522
5315	6378	12	18	7441	8504	9567

TABLE No. 9.

PRINCIPAL IN UNITS, TENS, HUNDREDS, AND THOUSANDS OF DOLLARS.

\$1111

\$2222

\$3333

\$4444

PRINCIPAL AND INTEREST COMBINED.

\$	\$	Mos. & Days.		\$	\$
1000167	2000234	1		30005	4000678
1000334	2000668	2		3001	4001336
10085	2017	1	21	30255	4034
10135	2027	2	21	30405	4054
10185	2037	3	21	30555	4074
10235	2047	4	21	30705	4094
10285	2057	5	21	30855	4114
10335	2067	6	21	31005	4134
10385	2077	7	21	31155	4154
10435	2087	8	21	31305	4174
10485	2097	9	21	31455	4194
10535	2107	10	21	31605	4214
10585	2117	11	21	31755	4234
10635	2127	12	21	31905	4254
1009	2018	1	24	3027	4036
1014	2028	2	24	3042	4056
1019	2038	3	24	3057	4076
1024	2048	4	24	3072	4096
1029	2058	5	24	3087	4116
1034	2068	6	24	3102	4136
1039	2078	7	24	3117	4156
1044	2088	8	24	3132	4176
1049	2098	9	24	3147	4196
1054	2108	10	24	3162	4216
1059	2118	11	24	3177	4236
1064	2128	12	24	3192	4256
10095	2019	1	27	30285	4038
10145	2029	2	27	30435	4058
10195	2039	3	27	30585	4078
10245	2049	4	27	30735	4098
10295	2059	5	27	30885	4118
10345	2069	6	27	31035	4138
10395	2079	7	27	31185	4158
10445	2089	8	27	31335	4178
10495	2099	9	27	31485	4198
10545	2109	10	27	31635	4218
10595	2119	11	27	31785	4238
10645	2129	12	27	31935	4258



TABLE No. 10.

PRINCIPAL IN UNITS, TENS, HUNDREDS, AND THOUSANDS OF DOLLARS.

\$5555

\$6666

\$7777

\$8888

\$9999

PRINCIPAL AND INTEREST COMBINED.

\$	\$	Mos. & Days.		\$	\$	\$
5000835	6001	1	21	7011169	8001336	90015
500167	6002	2	21	7002338	8002672	9003
50425	6051	1	21	70595	8068	90765
50675	6081	2	21	70945	8108	91215
50925	6111	3	21	71295	8148	91665
51175	6141	4	21	71645	8188	92115
51425	6171	5	21	71995	8228	92565
51675	6201	6	21	72345	8268	93015
51925	6231	7	21	72695	8308	93465
52175	6261	8	21	73045	8348	93915
52425	6291	9	21	73395	8388	94365
52675	6321	10	21	73745	8428	94815
52925	6351	11	21	74095	8468	95265
53175	6381	12	21	74445	8508	95715
5045	6054	1	24	7063	8072	9081
5070	6084	2	24	7098	8112	9126
5095	6114	3	24	7133	8152	9171
5120	6144	4	24	7168	8192	9216
5145	6174	5	24	7203	8232	9261
5170	6204	6	24	7238	8272	9306
5195	6234	7	24	7273	8312	9351
5220	6264	8	24	7308	8352	9396
5245	6294	9	24	7343	8392	9441
5270	6324	10	24	7378	8432	9486
5295	6354	11	24	7413	8472	9531
5320	6384	12	24	7448	8512	9576
50475	6057	1	27	70665	8076	90855
50725	6087	2	27	71015	8116	91305
50975	6117	3	27	71365	8156	91755
51225	6147	4	27	71715	8196	92205
51475	6177	5	27	72065	8236	92655
51725	6207	6	27	72415	8276	93105
51975	6237	7	27	72765	8316	93555
52225	6267	8	27	73115	8356	94005
52475	6297	9	27	73465	8396	94455
52725	6327	10	27	73815	8436	94905
52975	6357	11	27	74165	8476	95355
53225	6387	12	27	74515	8516	95805

TABLE No. 11.

INTEREST, 1 mo.	INTEREST, 2 mos.	INTEREST, 3 mos.	PRINCIPAL.	INTEREST, 4 mos.	INTEREST, 5 mos.
\$ cts.	\$ cts.	\$ cts.	\$	\$ cts.	\$ cts.
01	01	02	1	02	03
01	02	03	2	04	05
02	03	05	3	06	08
02	04	06	4	08	10
03	05	08	5	10	13
03	06	09	6	12	15
04	07	11	7	14	18
04	08	12	8	16	20
05	09	14	9	18	23
05	10	15	10	20	25
10	20	30	20	40	50
15	30	45	30	60	75
20	40	60	40	80	1 00
25	50	75	50	1 00	1 25
30	60	90	60	1 20	1 50
35	70	1 05	70	1 40	1 75
40	80	1 20	80	1 60	2 00
45	90	1 35	90	1 80	2 25
50	1 00	1 50	100	2 00	2 50
1 00	2 00	3 00	200	4 00	5 00
1 50	3 00	4 50	300	6 00	7 50
2 00	4 00	6 00	400	8 00	10 00
2 50	5 00	7 50	500	10 00	12 50
3 00	6 00	9 00	600	12 00	15 00
3 50	7 00	10 50	700	14 00	17 50
4 00	8 00	12 00	800	16 00	20 00
4 50	9 00	13 50	900	18 00	22 50
5 00	10 00	15 00	1000	20 00	25 00
10 00	20 00	30 00	2000	40 00	50 00
15 00	30 00	45 00	3000	60 00	75 00
20 00	40 00	60 00	4000	80 00	100 00
25 00	50 00	75 00	5000	100 00	125 00
30 00	60 00	90 00	6000	120 00	150 00
35 00	70 00	105 00	7000	140 00	175 00
40 00	80 00	120 00	8000	160 00	200 00
45 00	90 00	135 00	9000	180 00	225 00
50 00	100 00	150 00	10000	200 00	250 00
3 d. = 1-10 of 1 mo.	6 d. = 1-10 of 2 mos.	9 d. = 1-10 of 3 mos.		12 d. = 1-10 of 4 mos.	15 d. = 1-10 of 5 mos.



TABLE No. 12.

INTEREST, 6 mos.	INTEREST, 7 mos.	PRINCIPAL.	INTEREST, 8 mos.	INTEREST, 9 mos.
\$ cts.	\$ cts.	\$	\$ cts.	\$ cts.
03	04	1	04	05
06	07	2	08	09
09	11	3	12	14
12	14	4	16	18
15	18	5	20	23
18	21	6	24	27
21	25	7	28	32
24	28	8	32	36
27	32	9	36	41
30	35	10	40	45
60	70	20	80	90
90	1 05	30	1 20	1 35
1 20	1 40	40	1 60	1 80
1 50	1 75	50	2 00	2 25
1 80	2 10	60	2 40	2 70
2 10	2 45	70	2 80	3 15
2 40	2 80	80	3 20	3 60
2 70	3 15	90	3 60	4 05
3 00	3 50	100	4 00	4 50
6 00	7 00	200	8 00	9 00
9 00	10 50	300	12 00	13 50
12 00	14 00	400	16 00	18 00
15 00	17 50	500	20 00	22 50
18 00	21 00	600	24 00	27 00
21 00	24 50	700	28 00	31 50
24 00	28 00	800	32 00	36 00
27 00	31 50	900	36 00	40 50
30 00	35 00	1000	40 00	45 00
60 00	70 00	2000	80 00	90 00
90 00	105 00	3000	120 00	135 00
120 00	140 00	4000	160 00	180 00
150 00	175 00	5000	200 00	225 00
180 00	210 00	6000	240 00	270 00
210 00	245 00	7000	280 00	315 00
240 00	280 00	8000	320 00	360 00
270 00	315 00	9000	360 00	405 00
300 00	350 00	10000	400 00	450 00
18 d. = 1-10 of 6 mos.	21 d. = 1-10 of 7 mos.		24 d. = 1-10 of 8 mos.	27 d. = 1-10 of 9 mos.

TABLE No. 13.

INTEREST, 10 mos.	INTEREST, 11 mos.	PRINCIPAL.	INTEREST, 1 day.	INTEREST, 2 days.	INTEREST, 1 yr.
\$ cts.	\$ cts.	\$	\$ cts.	\$ cts.	\$ cts.
05	06	1	00	00	06
10	11	2	00	00	12
15	17	3	00	00	18
20	22	4	00	00	24
25	28	5	00	00	30
30	33	6	00	00	36
35	39	7	00	00	42
40	44	8	00	00	48
45	50	9	00	00	54
50	55	10	00	00	60
1 00	1 10	20	00	01	1 20
1 50	1 65	30	01	01	1 80
2 00	2 20	40	01	01	2 40
2 50	2 75	50	01	02	3 00
3 00	3 30	60	01	02	3 60
3 50	3 85	70	01	02	4 20
4 00	4 40	80	01	03	4 80
4 50	4 95	90	02	03	5 40
5 00	5 50	100	02	04	6 00
10 00	11 00	200	03	07	12 00
15 00	16 50	300	05	10	18 00
20 00	22 00	400	07	14	24 00
25 00	27 50	500	08	17	30 00
30 00	33 00	600	10	20	36 00
35 00	38 50	700	12	24	42 00
40 00	44 00	800	14	27	48 00
45 00	49 50	900	15	30	54 00
50 00	55 00	1000	17	34	60 00
100 00	110 00	2000	34	67	120 00
150 00	165 00	3000	50	1 00	180 00
200 00	220 00	4000	67	1 34	240 00
250 00	275 00	5000	84	1 67	300 00
300 00	330 00	6000	1 00	2 00	360 00
350 00	385 00	7000	1 17	2 34	420 00
400 00	440 00	8000	1 34	2 67	480 00
450 00	495 00	9000	1 50	3 00	540 00
500 00	550 00	10000	1 67	3 34	600 00

TABLE No. 14.

INTEREST, 2 yrs.		INTEREST, 3 yrs.		PRINCIPAL.	INTEREST, 4 yrs.		INTEREST, 5 yrs.	
\$	cts.	\$	cts.	\$	\$	cts.	\$	cts.
12		18		1	24		30	
24		36		2	48		60	
36		54		3	72		90	
48		72		4	96		1 20	
60		90		5	1 20		1 50	
72		1 08		6	1 44		1 80	
84		1 26		7	1 68		2 10	
96		1 44		8	1 92		2 40	
1 08		1 62		9	2 16		2 70	
1 20		1 80		10	2 40		3 00	
2 40		3 60		20	4 80		6 00	
3 60		5 40		30	7 20		9 00	
4 80		7 20		40	9 60		12 00	
6 00		9 00		50	12 00		15 00	
7 20		10 80		60	14 40		18 00	
8 40		12 60		70	16 80		21 00	
9 60		14 40		80	19 20		24 00	
10 80		16 20		90	21 60		27 00	
12 00		18 00		100	24 00		30 00	
24 00		36 00		200	48 00		60 00	
36 00		54 00		300	72 00		90 00	
48 00		72 00		400	96 00		120 00	
60 00		90 00		500	120 00		150 00	
72 00		108 00		600	144 00		180 00	
84 00		126 00		700	168 00		210 00	
96 00		144 00		800	192 00		240 00	
108 00		162 00		900	216 00		270 00	
120 00		180 00		1000	240 00		300 00	
240 00		360 00		2000	480 00		600 00	
360 00		540 00		3000	720 00		900 00	
480 00		720 00		4000	960 00		1200 00	
600 00		900 00		5000	1200 00		1500 00	
720 00		1080 00		6000	1440 00		1800 00	
840 00		1260 00		7000	1680 00		2100 00	
960 00		1440 00		8000	1920 00		2400 00	
1080 00		1620 00		9000	2160 00		2700 00	
1200 00		1800 00		10000	2400 00		3000 00	

## THE GRAIN TABLES.

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These tables are constructed upon a principle analogous to the Interest tables. At the head of tables I and II, we find the numbers, 100, 200, 300, 400, 500, 600, 700, 800 and 900, which are intended to represent quantity in bushels.

In the central portion of each table we find the price per bushel from 1 cent to \$5.00 per bushel. The body of the table shows the value of the commodity multiplied by the several prices.

This table gives the value of bushels, either as so many units of bushels, from 2 to 9, or for so many tens, from ten to ninety bushels, and also for so many hundreds from one hundred to nine hundred. Beginning at the first or left hand column, we have the value of one bushel at different prices seen in the column as designated price. So of all the columns in consecutive order from 1 to 9. Considering these columns as representing the value simply of 1, 2, 3, 4, 6, 7, 8, and 9 bushels, the two right hand figures in each number represent so many cents, and the remaining figures in each number to the left of cents represent dollars.

Now if we assume the body of the tables to represent (in its several columns from 1 to 9) the value of hundreds of bushels from 100 to 900, the number in the body of the table will represent dollars. Thus 100 bushels at 1 cent per bushel would be one dollar, and so on through all the columns of the entire tables. Let us take the price \$2.00 per bushel as seen in the price column. The value of one hundred bushels is \$200; 200 bushels, \$400; 300 bushels, \$600, 400 bushels, \$800; 500 bushels, \$1,000; 600 bushels, \$1,200; 700 bushels, \$1,400; 800 bushels, \$1,600; and 900 bushels is \$1,800. Now let us find the value of so many tens of bushels beginning at the first column and extending to the 9th or last column, and for 10 bushels at \$2.00 per bushel we have \$20; for 20 bushels, \$40; for 30, \$60; for 40, \$80; for 50, \$100; for 60, \$120; for 70, \$140; for 80, \$160; for 90 bushels, \$180. It is quite easy to use these tables for determining the value of any number of bushels, either units, tens or hundreds of bushels at any price from 1 cent to \$5 per bushel by bearing in mind what has just been said in the foregoing remarks and the principle is alike applicable to all the prices set down or found in the tables. Suppose it is required to find the value of 45 bushels at \$1.20 per bushel.

Find first in the price column \$1.20. By the table, we find by looking at the head of the column having 400 as the quantity, that 400 bushels at the price named is of the value \$480; 40 bushels is 1-10 of 400 bushels. Now to find the value of 40 bushels we take 1-10 of the value of 400 bushels, which is \$48. Passing to the right of this column, under the head of 500 we find \$6 to be the value of 5 bushels at \$1.20 per bushel. Then \$48, the value of 40 bushels, added to \$6, the value of 5 bushels, we have \$54, the value of 45 bushels of any kind of grain at \$1.20 per bushel.

Suppose further that it is required to find the value of 45 bushels at \$1.25 per bushel, we must then add the value of 45 bushels at 5 cents per bushel to this sum as seen in the table. 40 bushels at 5 cents per bushel equals 1-10 of the value of 400 bushels. 400 bushels is worth at the price named, \$20. 1-10 of \$20 is \$2, and at 5 cents, 5 bushels, are worth 25 cents. This added to \$54, the price of 45 bushels at 1.20 equals \$46.-25.

To find the value of a given quantity at a given price by the Grain Tables. To illustrate, suppose the value of 500 bushels of wheat is sought at \$1.10 per bushel. Follow down the column having the 500 at its head until you reach the number opposite the price, \$1.10, and you have the value which is \$550. This number, as you will recollect we have already explained, has three values; 1st, the value of 500 bushels, as above stated; 2d, the value of 50 bushels, \$25; 3d, the value of 5 bushels, \$5.50, at the price named, \$1.10. What has just been said as to the mode of finding the value of a given quantity at a given price applies to every number of values based upon a given price throughout the entire grain tables. These numbers in the body of the tables show also the values at the various prices of 6, 12, 18, 24, 30, 36, 48, and 54 lbs. of any kind of grain or produce at 60 lbs to the bushel.

These numbers last named are respectively one-tenth of 1, 2, 3, 4, 5, 6, 7, 8, and 9 bushels as specified at bottom of the tables. Hence, having the value of a given number of bushels at a given price, one tenth of that sum will be the value of the number of pounds which constitute an even tenth of such number of bushels. Take the example given above, where \$5.60 is the value of 5 bushels. Referring to the bottom of the tables, we find 30 lbs. is one tenth of 5 bushels at 60 lbs. to the bushel. Hence 55 cents, which is one-tenth of \$5.50 is the value of 30 lbs. at \$1.10 per bushel, and so of others.

Intervening these numbers from 6 to 54 lbs. in the regular order of counting are 5 lbs. Thus. from 6 to 12 are 5 lbs., 7, 8, 9, 10, 11, and so of all the rest, for



which the value at the several prices per bushel cannot be determined in the manner above stated. This is accomplished by computing the value of 1, 2, 3, 4, and 5 lbs. at the several prices per bushel as seen at the right hand portion of Grain table No. II. Suppose it required to find the value of 31, 32, 33, and 34, or 35 lbs. of wheat or other grain at \$1.10, or any given price per bushel within the limits of the tables, to the value of 30 pounds add the value of 1, 2, 3, 4, or 5 pounds, as may be required at the given price per bushel, and so of all the cases under like circumstances.

Although in a direct form as appears upon the face of the tables only 31 different prices are given, commencing at 1 cent and continuing in consecutive order to 9 cents per bushels, then the price at from 10 to 90 cents, etc.

Now to ascertain by the tables the value of a given number of bushels, at any price from 1 cent to 5 dollars, as the numbers occur in the regular order of counting, you have only to add the values of the commodity opposite the prices which when added give the required price. Thus by adding, the price at 1, 2, 3, 4, 5, 6, 7, 8, and 9 cents respectively to the price at ten cents, the sum will give the value of the commodity from 11 to 19 cents. And in like manner can the value be found at prices ranging between 10 and 20, 20 and 30, etc., up to \$5.00 per bushel.

Thus 10 added to one equals 11, and 20 plus 9 equals 29, as has already been explained upon principle, when commenting upon the Interest Tables. It will be readily seen that the Grain Tables in this little work really embrace matter enough for a book of 100 or more pages, were it not for the condensing process upon which they are constructed, without making it difficult to be understood or used for the purpose for which the same is intended.

For 1, 2, 3, 4 and 5 lbs. at 56 lbs. per bushel, take 1-10 of 10, 20, 30, 40 and 50 lbs. respectively.

For 1, 2, and 3 lbs. at 32 lbs. per bushel take 1-10 of 10, 20, and 30 lbs. respectively.

TABLE No. I.

## QUANTITY IN BUSHEL.

100      200      300                      400      500      600

VALUE OF COMMODITY.

			\$   cts.			
1	2	3	<b>1</b>	4	5	6
2	4	6	<b>2</b>	8	10	12
3	6	9	<b>3</b>	12	15	18
4	8	12	<b>4</b>	16	20	24
5	10	15	<b>5</b>	20	25	30
6	12	18	<b>6</b>	24	30	36
7	14	21	<b>7</b>	28	35	42
8	16	24	<b>8</b>	32	40	48
9	18	27	<b>9</b>	36	45	54
10	20	30	<b>10</b>	40	50	60
20	40	60	<b>20</b>	80	100	120
30	60	90	<b>30</b>	120	150	180
40	80	120	<b>40</b>	160	200	240
50	100	150	<b>50</b>	200	250	300
60	120	180	<b>60</b>	240	300	360
70	140	210	<b>70</b>	280	350	420
80	160	240	<b>80</b>	320	400	480
90	180	270	<b>90</b>	360	450	540
100	200	300	<b>1.00</b>	400	500	600
110	220	330	<b>1.10</b>	440	550	660
120	240	360	<b>1.20</b>	480	600	720
130	260	390	<b>1.30</b>	520	650	780
140	280	420	<b>1.40</b>	560	700	840
150	300	450	<b>1.50</b>	600	750	900
160	320	480	<b>1.60</b>	640	800	960
170	340	510	<b>1.70</b>	680	850	1020
180	360	540	<b>1.80</b>	720	900	1080
190	380	570	<b>1.90</b>	760	950	1140
200	400	600	<b>2.00</b>	800	1000	1200
300	600	900	<b>3.00</b>	1200	1500	1800
400	800	1200	<b>4.00</b>	1600	2000	2400
500	1000	1500	<b>5.00</b>	2000	2500	3000
6 lbs. = 1-10 of 1 Bushel.	12 lbs. = 1-10 of 2 Bushels.	18 lbs. = 1-10 of 3 Bushels.	Price in Dollars & Cents.	24 lbs. = 1-10 of 4 Bushels.	30 lbs. = 1-10 of 5 Bushels.	36 lbs. = 1-10 of 6 Bushels.

TABLE No. 2.

QUANTITY IN BUSHEL.				WHEAT, CLOVER SEED, CANARY SEED, PEAS, BEANS, AND POTATOES, ARE EACH 60 LBS. TO THE BUSHEL.				
700	800	900		QUANTITY IN POUNDS.				
VALUE OF COMMODITY.				1	2	3	4	5
			\$ cts.	VALUE OF COMMODITY.				
7	8	9	1	cts.	cts.	cts.	cts.	cts.
14	16	18	2	0	0	1	1	1
21	24	27	3	0	1	1	1	2
28	32	36	4	0	1	1	2	3
35	40	45	5	1	1	2	2	3
42	48	54	6	1	2	3	3	4
49	56	63	7	1	2	3	4	5
56	64	72	8	1	2	3	5	6
63	72	81	9	2	3	4	6	7
70	80	90	10	2	3	5	7	8
140	160	180	20	2	4	6	7	9
210	240	270	30	2	4	6	8	10
280	320	360	40	2	4	6	9	11
350	400	450	50	2	5	7	9	12
420	480	540	60	3	5	7	10	12
490	560	630	70	3	5	8	11	13
560	640	720	80	3	6	9	11	14
630	720	810	90	3	6	9	12	15
700	800	900	1.00	4	6	9	13	16
770	880	990	1.10	4	6	10	13	17
840	960	1080	1.20	5	10	15	20	25
910	1040	1170	1.30	7	13	20	26	33
980	1120	1260	1.40	8	16	25	33	41
1050	1200	1350	1.50					
1120	1280	1440	1.60					
1190	1360	1530	1.70					
1260	1440	1620	1.80					
1330	1520	1710	1.90					
1400	1600	1800	2.00					
2100	2400	2700	3.00					
2800	3200	3600	4.00					
3500	4000	4500	5.00					
42 lbs. = 1-10 of 7 Bushels.	48 lbs. = 1-10 of 8 Bushels.	54 lbs. = 1-10 of 9 Bushels.	Price in Dollars & Cents.	cts.	cts.	cts.	cts.	cts.



TABLE No. 3.

QUANTITY IN POUNDS—56 POUNDS TO THE BUSHEL.

10	20	30	40	50	PRICE.	6	7	8	9
VALUE OF COMMODITY.									

cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.
0	0	1	1	1	1	0	0	0	0
0	1	1	1	2	2	0	0	0	0
1	1	2	2	3	3	0	0	0	0
1	1	2	3	4	4	0	0	0	0
1	2	3	4	5	5	0	1	1	1
1	2	3	4	6	6	1	1	1	1
1	3	4	5	6	7	1	1	1	1
1	3	4	6	7	8	1	1	1	1
2	3	5	7	8	9	1	1	1	1
2	4	5	7	9	10	1	1	1	2
4	7	11	14	18	20	2	2	3	3
5	11	16	21	27	30	3	4	4	5
7	14	21	29	36	40	4	4	6	6
9	18	27	36	45	50	5	6	7	8
11	21	32	43	55	60	6	7	8	9
13	25	37	50	63	70	7	9	10	11
14	30	41	57	71	80	8	10	11	13
16	32	48	64	80	90	10	11	13	14
18	36	54	71	89	1.00	11	12	15	17

QUANTITY IN POUNDS—32 POUNDS TO THE BUSHEL.

10	20	30	4	5	PRICE.	6	7	8	9
VALUE OF COMMODITY.									

cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.	cts.
0	1	1	0	0	1	0	0	0	0
1	1	2	0	0	2	0	1	1	1
1	2	3	0	0	3	1	1	1	1
1	3	4	1	1	4	1	1	1	1
2	3	5	1	1	5	1	1	1	1
2	4	6	1	1	6	1	1	1	2
2	4	7	1	1	7	1	1	2	2
3	5	8	1	1	8	1	2	2	2
3	6	9	1	1	9	2	2	2	2
3	6	9	1	2	10	2	2	3	3
6	12	19	2	3	20	4	4	5	6
9	19	28	4	5	30	6	7	8	8
12	25	37	5	6	40	7	9	10	11
16	31	47	6	8	50	9	11	12	13
19	37	56	7	9	60	11	13	15	17
22	44	66	9	11	70	13	15	17	20
25	50	75	10	12	80	15	17	20	22



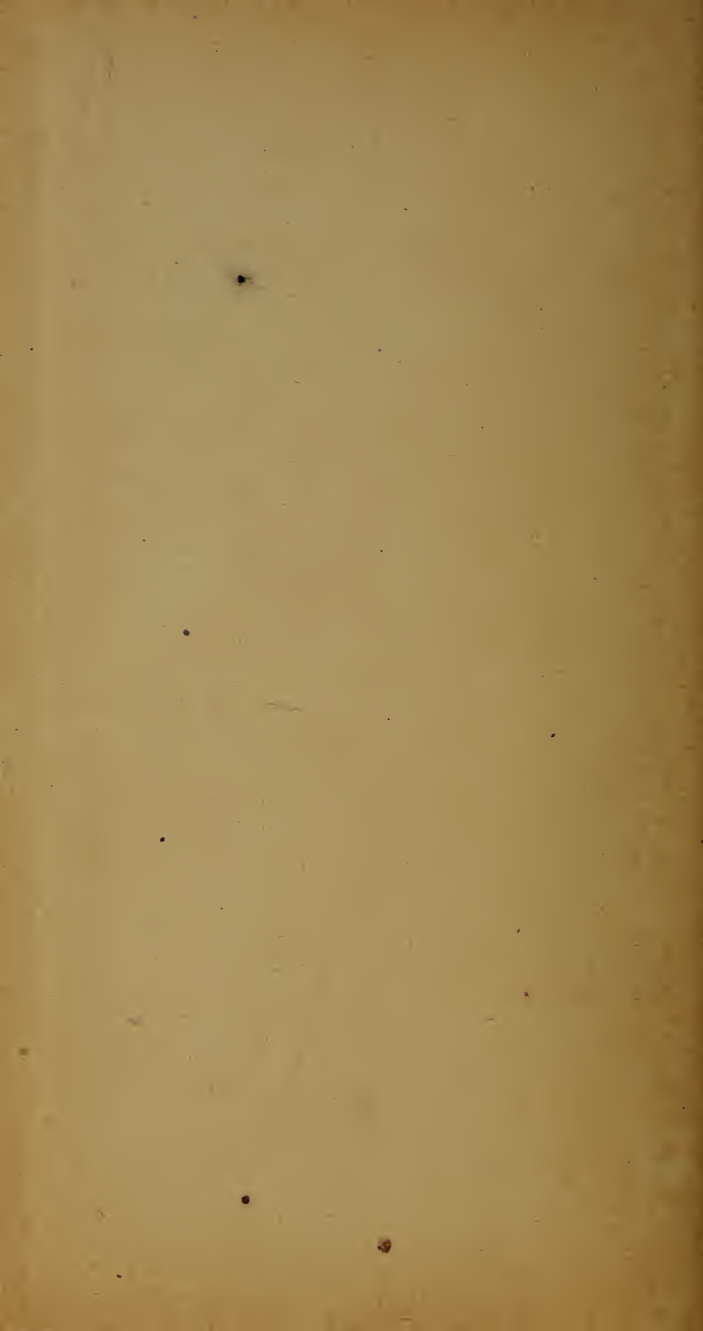








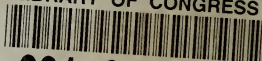








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